

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:) Group Art Unit:
NAKAJIMA et al.) Examiner:
Serial No.: Not yet assigned) PRELIMINARY AMENDMENT
Filed: Herewith) EXPRESS MAIL #EL767782833US
Atty. File No.: 3688KG-1)
For: "BONDING APPARATUS, BONDING)
METHOD AND THE COMPOSITION)
BONDED THEREBY")

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Prior to the initial review of the above-identified patent application by the Examiner, please enter the following Preliminary Amendment. Although Applicants do not believe that any fees are due based upon the filing of this Preliminary Amendment, please charge any such fees to Deposit Account 19-1970.

Please amend the above-identified patent application as follows:

IN THE CLAIMS:

Claims 5, 7, 8, 16 and 17 have been amended as follows:

5. A bonding method as stated in Claim 3 wherein part of a portion of said first member contacting said second member is transmuted or removed at least partially due to heat at said heating step.

7. A bonding method as stated in Claim 3 wherein heating is performed at an output power of 800 to 2000W for 3 seconds or less at said heating step.

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8. A bonding method as stated in Claim 3 wherein said cooling step is carried out within 2 seconds after completing said heating step.

16. A bonding apparatus as stated in Claim 14 wherein said heating section heats at an output power of 800 to 2000 W for 3 seconds or less.

17. A bonding apparatus as stated in Claim 14, further comprising a transferring section for transferring said first member and said second member from said heating section to said cooling section within 2 seconds.

Please add new Claims 24-28 as follows:

24. A bonding method as stated in Claim 4 wherein part of a portion of said first member contacting said second member is transmuted or removed at least partially due to heat at said heating step.

25. A bonding method as stated in Claim 4 wherein heating is performed at an output power of 800 to 2000W for 3 seconds or less at said heating step.

26. A bonding method as stated in Claim 4 wherein said cooling step is carried out within 2 seconds after completing said heating step.

27. A bonding apparatus as stated in Claim 15 wherein said heating section heats at an output power of 800 to 2000 W for 3 seconds or less.

28. A bonding apparatus as stated in Claim 15, further comprising a transferring section for transferring said first member and said second member from said heating section to said cooling section within 2 seconds.

REMARKS/ARGUMENTS

The above amendments are being submitted in connection with the national stage filing of the present Application. The amendments eliminate the multiple dependent claims from the Application.

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Attached hereto is a marked up version of the changes made to the specification and claims by the current amendment. The attached page is captioned "Version With Markings to Show Changes Made."

Respectfully submitted,

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Date: February 25, 2002

VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the Claims:

Please amend Claims 5, 7, 8, 16 and 17 as follows:

5. A bonding method as stated in Claim 3 [or 4] wherein part of a portion of said first member contacting said second member is transmuted or removed at least partially due to heat at said heating step.

7. A bonding method as stated in Claim 3 [or 4] wherein heating is performed at an output power of 800 to 2000W for 3 seconds or less at said heating step.

8. A bonding method as stated in Claim 3 [or 4] wherein said cooling step is carried out within 2 seconds after completing said heating step.

16. A bonding apparatus as stated in Claim 14 [or 15] wherein said heating section heats at an output power of 800 to 2000 W for 3 seconds or less.

17. A bonding apparatus as stated in Claim 14, [or 15] further comprising [comprises] a transferring section for transferring said first member and said second member from said heating section to said cooling section within 2 seconds.

Claims 24-28 are new.